



Economic aspects of adaptation to climate change: costs, benefits and policy instruments

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Abstract:

Climate change poses a serious challenge to social and economic development. Efforts to reduce greenhouse gas emissions need to move hand in hand with policies and incentives to adapt to the impacts of climate change. How much adaptation might cost, and how large its benefits might be, are issues that are increasingly relevant both for on-the-ground projects and in international development co-operation and negotiations contexts. This report provides a critical assessment of adaptation costs and benefits in key climate sensitive sectors, as well as at national and global levels. It also moves the discussion beyond cost estimation to the potential and limits of economic and policy instruments - including insurance and risk sharing, environmental markets and pricing, and public private partnerships - that can be used to motivate adaptation actions.--Publisher's description.

Source:

<http://www.oecd.org/env/cc/economicaspectsofadaptationtoclimatechangecostsbenefitsandpolicyinstruments.htm>

Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Extreme Weather Event, Food/Water Quality, Food/Water Security, Food/Water Security, Glacier/Snow Melt, Precipitation, Sea Level Rise, Temperature

Extreme Weather Event: Drought, Flooding, Hurricanes/Cyclones, Landslides

Food/Water Quality: Other Water Quality Issue

Water Quality (other): Sea surface temperature; Ocean acidification; Saltwater intrusion

Food/Water Security: Agricultural Productivity, Food Access/Distribution, Livestock Productivity, Nutritional Quality

Temperature: Extreme Heat, Fluctuations

Geographic Feature:

resource focuses on specific type of geography

Ocean/Coastal, Other Geographical Feature

Other Geographical Feature : Forests

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Geographic Location:

resource focuses on specific location

Global or Unspecified

Health Impact:

specification of health effect or disease related to climate change exposure

Infectious Disease, Injury, Morbidity/Mortality, Other Health Impact

Infectious Disease: Foodborne/Waterborne Disease, Vectorborne Disease

Foodborne/Waterborne Disease: Other Diarrheal Disease

Vectorborne Disease: General Vectorborne, Mosquito-borne Disease

Mosquito-borne Disease: Dengue, Malaria

Other Health Impact: Heat stress

Intervention:

strategy to prepare for or reduce the impact of climate change on health

A focus of content

Mitigation/Adaptation:

mitigation or adaptation strategy is a focus of resource

Adaptation

Model/Methodology:

type of model used or methodology development is a focus of resource

Cost/Economic, Methodology

Population of Concern: A focus of content

Population of Concern:

populations at particular risk or vulnerability to climate change impacts

Low Socioeconomic Status

Resource Type:

format or standard characteristic of resource

Policy/Opinion, Review

Resilience:

capacity of an individual, community, or institution to dynamically and effectively respond or adapt to shifting climate impact circumstances while continuing to function

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Timescale:

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time period studied

Long-Term (>50 years)

Vulnerability/Impact Assessment:

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

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